

Specification for

Installation of domestic gas cooking appliances (1st, 2nd and 3rd family gases)

ICS 97.040.20

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee GSE/30, Gas installations (1st, 2nd and 3rd family gases), upon which the following bodies were represented:

- British Flue and Chimney Manufacturers' Association
- British Gas plc
- Centrica
- Combustion Engineers Association
- Consumer Policy Committee of BSI
- Council for Registered Gas Installers
- Department of Trade and Industry
- Gas Consumers Council
- Health and Safety Executive
- Institute of Domestic Heating and Environmental Engineers
- Institution of Gas Engineers
- Liquefied Petroleum Gas Industry Technical Association
- Society of British Gas Industries
- Co-opted members

This British Standard, having been prepared under the direction of the Gas Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 31 October 1990

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Foreword

This British Standard has been prepared under the direction of the Gas Standards Policy Committee. It is a revision of BS 6172:1982 which is withdrawn.

In this revision the Technical Committee considered that many of the operations for the installation of 1st, 2nd and 3rd family gas cooking appliances should be requirements if a safe installation were to result. The opportunity has been taken to present this revision in the form of a practice specification in accordance with clause 6 of PD 6501-1:1982.

NOTE To comply with this specification, the user has to comply with all of its requirements. He may depart from recommendations, but this will be on his own responsibility and he will be expected to have good reasons for doing so.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations. In particular, attention is drawn to the following.

- a) Statutory Instrument 149:1989. Gas Cooking Appliances (Safety) Regulations 1989.
- b) Statutory Instrument 1065:1985 (as amended). Building Regulations 1985.
- c) Statutory Instrument 1358:1984. The Gas Safety (Installation and Use) Regulations 1984.
- d) Statutory Instrument 1596:1981 (as amended). The Building Standards (Scotland) Regulations 1981.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, an inside back cover and a back cover.

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1 Scope

This British Standard specifies requirements for the installation of domestic gas cooking appliances complying with BS 5386-3 and BS 5386-4, burning 1st, 2nd and 3rd family gases, or complying with EN 30.

For 1st and 2nd family gases this standard specifies installations in permanent dwellings and commercial and industrial premises, including educational establishments. For 3rd family gases this standard specifies installations in permanent dwellings only.

It is recognized that this standard may be referred to for the installation of appliances complying with standards other than BS 5386-3 and BS 5386-4, or EN 30. It has to be borne in mind that other criteria could apply, such as surface temperatures, temperature rise of surroundings, appliance stability, etc. and these will need to be taken into account in the method of installation.

NOTE 1 Requirements for 3rd family gas installations in caravans and non-permanent dwellings and in boats, yachts and other vessels, are given in BS 5482-2 and BS 5482-3, respectively.

NOTE 2 The titles of publications referred to in this standard are given on the inside back cover.

2 Definitions

For the purposes of this standard the definitions given in BS 1179:1967 and BS 1179-6 apply together with the following.

2.1

appliance flexible connector

a pipe with appropriate connector ends, designed to have a considerable degree of flexibility to facilitate the connection of an appliance to an installation pipe and allow the appliance to be moved a short distance without the need for disconnection

2.2

(free-standing) cooker

a cooking appliance resting directly on the floor comprising:

- a) a hotplate including one or more burners;
- b) one or more ovens, with or without a thermostat;
- c) possibly a grill and/or griddle.

2.3

griddle

an appliance consisting of a solid plate heated from below, on which food is cooked directly

2.4

grill

an appliance for cooking food by means of radiant heat

2.5

hotplate (hob)

an appliance comprising one or more covered or uncovered burners and designed to support cooking vessels

2.6

oven

a closed compartment for cooking roasts, pastries, etc.

2.7

termination point

that fitting on the installation pipework to which appliances are connected

NOTE Where "the appliance" is referred to in the text it may mean either a cooker, or a hotplate, oven, grill or griddle or any combination of these in a single assembly.